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DATE: Wednesday, August 04, 2004

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	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L3	L2 with (sequence or dna)	14
<input type="checkbox"/>	L2	monooxygenase with (pseudomonas or bukholderia)	97
<input type="checkbox"/>	L1	monooxygenase with (pseudomonas or bukholderia)	97

END OF SEARCH HISTORY

## Hit List

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Generate OACS				

Search Results - Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 20020143105 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 14

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143105  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020143105 A1

TITLE: Discordant helix stabilization for prevention of amyloid formation

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Johansson, Jan	Stockholm		SE	

US-CL-CURRENT: 525/54.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw. De
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☐ 2. Document ID: US 6716589 B2

L3: Entry 2 of 14

File: USPT

Apr 6, 2004

US-PAT-NO: 6716589  
DOCUMENT-IDENTIFIER: US 6716589 B2

TITLE: Discordant helix stabilization for prevention of amyloid formation

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw. De
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☐ 3. Document ID: US 6605430 B1

L3: Entry 3 of 14

File: USPT

Aug 12, 2003

US-PAT-NO: 6605430  
DOCUMENT-IDENTIFIER: US 6605430 B1

TITLE: DNA shuffling of monooxygenase genes for production of industrial chemicals

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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☐ 4. Document ID: US 6551814 B1

L3: Entry 4 of 14

File: USPT

Apr 22, 2003

US-PAT-NO: 6551814

DOCUMENT-IDENTIFIER: US 6551814 B1

TITLE: Methods for bioremediation by degrading toluene

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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☐ 5. Document ID: US 6395539 B1

L3: Entry 5 of 14

File: USPT

May 28, 2002

US-PAT-NO: 6395539

DOCUMENT-IDENTIFIER: US 6395539 B1

TITLE: Composition and methods for bioremediation

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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☐ 6. Document ID: US 5605823 A

L3: Entry 6 of 14

File: USPT

Feb 25, 1997

US-PAT-NO: 5605823

DOCUMENT-IDENTIFIER: US 5605823 A

TITLE: Bioconversions catalysed by the toluene monooxygenase of *Pseudomonas mendocina*KR-1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
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☐ 7. Document ID: US 5512478 A

L3: Entry 7 of 14

File: USPT

Apr 30, 1996

US-PAT-NO: 5512478

DOCUMENT-IDENTIFIER: US 5512478 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Genes and enzymes involved in the microbial degradation of pentachlorophenol

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	---------

☐ 8. Document ID: US 5364787 A

L3: Entry 8 of 14

File: USPT

Nov 15, 1994

US-PAT-NO: 5364787

DOCUMENT-IDENTIFIER: US 5364787 A

TITLE: Genes and enzymes involved in the microbial degradation of pentachlorophenol

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--	--------	------	---------

☐ 9. Document ID: US 5171684 A

L3: Entry 9 of 14

File: USPT

Dec 15, 1992

US-PAT-NO: 5171684

DOCUMENT-IDENTIFIER: US 5171684 A

TITLE: Bioconversions catalyzed by the toluene monooxygenase of Pseudomonas mendocina KR-1

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--	--------	------	---------

☐ 10. Document ID: US 5017495 A

L3: Entry 10 of 14

File: USPT

May 21, 1991

US-PAT-NO: 5017495

DOCUMENT-IDENTIFIER: US 5017495 A

TITLE: Plasmid encoding the Pseudomonas mendocina toluene monooxygenase gene

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--	--------	------	---------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L2 with (sequence or dna)	14

Display Format: -

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## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 11 through 14 of 14 returned.

☐ 11. Document ID: JP 10099078 A

Using default format because multiple data bases are involved.

L3: Entry 11 of 14

File: JPAB

Apr 21, 1998

PUB-NO: JP410099078A  
DOCUMENT-IDENTIFIER: JP 10099078 A  
TITLE: R-(-)-MANDELIC MONOOXYGENASE GENE

PUBN-DATE: April 21, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

SHIMAO, MASAYUKI  
HARAYAMA, SHIGEAKI

INT-CL (IPC): C12 N 15/09; C07 H 21/04; C12 N 9/04; C12 P 41/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Know	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 12. Document ID: WO 9206208 A1

L3: Entry 12 of 14

File: EPAB

Apr 16, 1992

PUB-NO: WO009206208A1  
DOCUMENT-IDENTIFIER: WO 9206208 A1  
TITLE: BIOCONVERSIONS CATALYZED BY THE TOLUENE MONOOXYGENASE OF PSEUDOMONAS MENDOCINA KR-1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Know	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 13. Document ID: EP 336719 A2

L3: Entry 13 of 14

File: EPAB

Oct 11, 1989

PUB-NO: EP000336719A2  
DOCUMENT-IDENTIFIER: EP 336719 A2  
TITLE: Method and materials for the microbial bioconversion of toluene and other phenyl compounds.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Know	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 14. Document ID: IE 83070 B, EP 336719 A, WO 8909828 A, AU 8934104 A, FI 8905788 A, NO 8904845 A, DK 8906090 A, JP 03500126 W, US 5017495 A, ZA 8902503 A, IL 89845 A, CA 1337977 C, NO 301548 B1, JP 2862301 B2, FI 104379 B1, KR 157301 B1

L3: Entry 14 of 14

File: DWPI

Oct 1, 2003

DERWENT-ACC-NO: 1989-294582

DERWENT-WEEK: 200367

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TITLE: Plasmid contg. Pseudomonas mendocina kr-1 monooxygenase genes - used to transform cells to enable bio-conversion of phenyl cpds.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	----------	----------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L2 with (sequence or dna)	14

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NEWS	5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in Caplus
NEWS	6	May 27	Caplus super roles and document types searchable in REGISTRY
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NEWS	10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS	11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	12	AUG 02	Caplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
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NEWS	15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
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=> s monooxygenase (5a)(pseudomonas or bukholderia)  
L1 1266 MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)

=> s l1 (5a)(sequence or gene)  
6 FILES SEARCHED...  
L2 272 L1 (5A)(SEQUENCE OR GENE)

=> dup rem l2  
PROCESSING COMPLETED FOR L2  
L3 142 DUP REM L2 (130 DUPLICATES REMOVED)

=> s l2 and (aromatic or toluene)  
L4 131 L2 AND (AROMATIC OR TOLUENE)

=> dup rem l4  
PROCESSING COMPLETED FOR L4  
L5 60 DUP REM L4 (71 DUPLICATES REMOVED)

=> d 1-10

L5 ANSWER 1 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:36801 HCAPLUS  
DN 140:76041  
TI Cyclodextrin for enhanced microbial oxidation using xylene  
monooxygenase-producing microorganism  
IN Maruyama, Takahiro; Iida, Hiroshi; Kakitani, Hitoshi  
PA Tosoh Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 13 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004008150	A2	20040115	JP 2002-168710	20020610
PRAI	JP 2002-168710		20020610		

L5 ANSWER 2 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:337190 HCAPLUS  
DN 141:35369  
TI Phenol hydroxylase and \*\*\*\*toluene\*\*\*\* /o-xylene monooxygenase from  
Pseudomonas stutzeri OX1: interplay between two enzymes  
AU Cafaro, Valeria; Izzo, Viviana; Scognamiglio, Roberta; Notomista, Eugenio;  
Capasso, Paola; Casbarra, Annarita; Pucci, Piero; Di Donato, Alberto  
CS Dipartimento di Chimica Biologica, Universita di Napoli Federico II,  
Naples, 16-80134, Italy  
SO Applied and Environmental Microbiology (2004), 70(4), 2211-2219



CODEN: AEMIDF; ISSN: 0099-2240  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 60 MEDLINE on STN DUPLICATE 1  
AN 2004310948 IN-PROCESS  
DN PubMed ID: 15213740  
TI A survey of indigenous microbial hydrocarbon degradation genes in soils  
from Antarctica and Brazil.  
AU Luz A P; Pellizari V H; Whyte L G; Greer C W  
SO Canadian journal of microbiology, (2004 May) 50 (5) 323-33.  
Journal code: 0372707. ISSN: 0008-4166.  
CY Canada  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals  
ED Entered STN: 20040625  
Last Updated on STN: 20040625

L5 ANSWER 4 OF 60 MEDLINE on STN DUPLICATE 2  
AN 2003022707 MEDLINE  
DN PubMed ID: 12529882  
TI Use of the two-liquid phase concept to exploit kinetically controlled  
multistep biocatalysis.  
AU Buhler Bruno; Bollhalder Irene; Hauer Bernhard; Witholt Bernard; Schmid  
Andreas  
CS Institute of Biotechnology, Swiss Federal Institute of Technology Zurich,  
CH-8093 Zurich, Switzerland.  
SO Biotechnology and bioengineering, (2003 Mar 20) 81 (6) 683-94.  
Journal code: 7502021. ISSN: 0006-3592.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200309  
ED Entered STN: 20030117  
Last Updated on STN: 20030909  
Entered Medline: 20030908

L5 ANSWER 5 OF 60 MEDLINE on STN DUPLICATE 3  
AN 2002704522 MEDLINE  
DN PubMed ID: 12446657  
TI Cross-regulation between a novel two-component signal transduction system  
for catabolism of \*\*\*toluene\*\*\* in Pseudomonas mendocina and the TodST  
system from Pseudomonas putida.  
AU Ramos-Gonzalez Maria-Isabel; Olson Monica; Gatenby Anthony A; Mosqueda  
Gilberto; Manzanera Maximino; Campos Maria J; Vichez Susana; Ramos Juan L  
CS Department of Biochemistry and Molecular and Cellular Biology of Plants,  
Estacion Experimental del Zaidin, Consejo Superior de Investigaciones  
Cientificas, 18008 Granada, Spain.. maribel.ramos@eez.csic.es  
SO Journal of bacteriology, (2002 Dec) 184 (24) 7062-7.  
Journal code: 2985120R. ISSN: 0021-9193.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200212  
ED Entered STN: 20021217  
Last Updated on STN: 20021220  
Entered Medline: 20021219

L5 ANSWER 6 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
DUPLICATE 4  
AN 2002-13009 BIOTECHDS  
TI Cloning and characterization of a FAD-monooxygenase gene (cadA) involved  
in degradation of chloranilic acid (2,5-dichloro-3,6-dihydroxybenzo-1,4-  
quinone) in Pseudomonas putida TQ07;  
Pseudomonas putida mutant enzyme gene expression profiling in  
Escherichia coli for \*\*\*aromatic\*\*\* compound degradation and  
chloroaromatic compound degradation for waste-water treatment and soil  
decontamination  
AU TREVINO-QUINTANILLA LG; GALAN-WONG LJ; RODRIGUEZ-URIBE B; SOBERON-CHAVEZ  
G

CS Univ Nac'l Autonoma Mexico; Univ Autonoma Nuevo Leon; Univ Autonoma Nuevo Leon  
LO Soberon-Chavez G, Univ Nac'l Autonoma Mexico, Inst Biotechnol, Dept Mol Microbiol, Postal 510-3, Cuernavaca 62251, Morelos, Mexico  
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY; (2002) 59, 4-5, 545-550 ISSN: 0175-7598  
DT Journal  
LA English

L5 ANSWER 7 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:783519 HCAPLUS  
DN 138:94987

TI Oxygenase systems in an oligotrophic bacterial community of a subsurface water polluted by BTEX

AU Cavalca, L.; Dell'Amico, E.; Andreoni, V.

CS Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Universita degli Studi, Milan, 20133, Italy

SO Developments in Soil Science (2002), 28B(Soil Mineral-organic Matter-Microorganism Interactions and Ecosystem Health), 363-375  
CODEN: DSSCDM; ISSN: 0166-0918

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 60 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2002:608217 BIOSIS  
DN PREV200200608217

TI Cloning and sequencing of the soluble butane monooxygenase from *Pseudomonas butanovora*.

AU Sluis, M. K. [Reprint author]; Sayavedra-Soto, L. A. [Reprint author]; Arp, D. J. [Reprint author]

CS Oregon State University, Corvallis, OR, USA

SO Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 282. print.

Meeting Info.: 102nd General Meeting of the American Society for Microbiology. Salt Lake City, UT, USA. May 19-23, 2002. American Society for Microbiology.  
ISSN: 1060-2011.

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 27 Nov 2002

Last Updated on STN: 27 Nov 2002

L5 ANSWER 9 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2002-14446 BIOTECHDS

TI Cloning and sequencing of a phenol hydroxylase gene of *Pseudomonas pseudoalcaligenes* strain MH1 - A bacterium able to mineralize various \*\*\*aromatic\*\*\* compounds;

vector-mediated gene transfer and expression in host cell for phenol degradation, strain improvement and waste-water treatment

AU ZOUARI H; MOUKHA S; LABAT M; SAYADI S

CS Univ Aix Marseille 1; CBS; Univ Aix Marseille 1

LO Labat M, Univ Aix Marseille 1, IFR BAIM, ESIL, Inst Rech Dev, CP 925,163 Ave Luminy,F-13288 Marseille 9, France

SO APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY; (2002) 102, , 261-276 ISSN: 0273-2289

DT Journal

LA English

L5 ANSWER 10 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:219602 HCAPLUS  
DN 137:164407

TI Characterization of tdt genes for the degradation of tricyclic diterpenes by *Pseudomonas diterpeniphila* A19-6a

AU Morgan, C. A.; Wyndham, R. C.

CS Ottawa Carleton Institute of Biology, College of Natural Sciences, Carleton University, Ottawa, ON, K1S 5B6, Can.

SO Canadian Journal of Microbiology (2002), 48(1), 49-59  
CODEN: CJMIAZ; ISSN: 0008-4166

PB National Research Council of Canada

DT Journal

LA English

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD

=&gt; d 11-20

L5 ANSWER 11 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:348236 HCAPLUS  
 DN 135:104133  
 TI 4-Hydroxyacetophenone monooxygenase from *Pseudomonas fluorescens* ACB. A novel flavoprotein catalyzing Baeyer-Villiger oxidation of  
 \*\*\*aromatic\*\*\* compounds  
 AU Kamerbeek, Nanne M.; Moonen, Marielle J. H.; Van der Ven, Jos G. M.; Van Berkel, Willem J. H.; Fraaije, Marco W.; Janssen, Dick B.  
 CS Laboratory of Biochemistry, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, Groningen, 9747 AG, Neth.  
 SO European Journal of Biochemistry (2001), 268(9), 2547-2557  
 CODEN: EJBCAI; ISSN: 0014-2956  
 PB Blackwell Science Ltd.  
 DT Journal  
 LA English  
 RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:861775 HCAPLUS  
 DN 134:38863  
 TI Preparation of enantio-specific epoxides using wild-type and mutant  
 \*\*\*toluene\*\*\* monooxygenases  
 IN Steffan, Robert J.; McClay, Kevin R.  
 PA Envirogen, Inc., USA  
 SO PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000073425	A1	20001207	WO 2000-US14637	20000526
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI US 1999-136602P	P	19990528		
OS CASREACT 134:38863				
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L5 ANSWER 13 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 5  
 AN 2000:286306 SCISEARCH  
 GA The Genuine Article (R) Number: 302BT  
 TI Xylene monooxygenase catalyzes the multistep oxygenation of  
 \*\*\*toluene\*\*\* and pseudocumene to corresponding alcohols, aldehydes, and acids in *Escherichia coli* JM101  
 AU Buhler B; Schmid A (Reprint); Hauer B; Witholt B  
 CS ETH ZURICH, INST BIOTECHNOL, ETH HONGGERBERG, CH-8093 ZURICH, SWITZERLAND (Reprint); SWISS FED INST TECHNOL, INST BIOTECHNOL, CH-8093 ZURICH, SWITZERLAND; BASF CORP, RES FINE CHEM & BIOTECHNOL, D-67056 LUDWIGSHAFEN, GERMANY  
 CYA SWITZERLAND; GERMANY  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (7 APR 2000) Vol. 275, No. 14, pp. 10085-10092.  
 Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
 ISSN: 0021-9258.  
 DT Article; Journal  
 FS LIFE  
 LA English  
 REC Reference Count: 42  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L5 ANSWER 14 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:836307 HCAPLUS  
 DN 134:162870  
 TI Bioconversion of substituted styrenes to the corresponding  
 enantiomerically pure epoxides by a recombinant Escherichia coli strain  
 AU Bernasconi, S.; Orsini, F.; Sello, G.; Colmegna, A.; Galli, E.; Bestetti,  
 G.  
 CS Dipartimento di Chimica Organica e Industriale, Universita' degli studi di  
 Milano, Milan, 20133, Italy  
 SO Tetrahedron Letters (2000), 41(47), 9157-9161  
 CODEN: TELEAY; ISSN: 0040-4039  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 OS CASREACT 134:162870  
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 60 MEDLINE on STN DUPLICATE 6  
 AN 1999402750 MEDLINE  
 DN PubMed ID: 10473416  
 TI Identification of the \*\*\*Pseudomonas\*\*\* stutzeri OX1 \*\*\*toluene\*\*\*  
 -o-xylene \*\*\*monooxygenase\*\*\* regulatory \*\*\*gene\*\*\* (touR) and of  
 its cognate promoter.  
 AU Arenghi F L; Pinti M; Galli E; Barbieri P  
 CS Dipartimento di Genetica e di Biologia dei Microrganismi, Universita degli  
 Studi di Milano, 20133 Milan, Italy.  
 SO Applied and environmental microbiology, (1999 Sep) 65 (9) 4057-63.  
 Journal code: 7605801. ISSN: 0099-2240.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AJ005663  
 EM 199912  
 ED Entered STN: 20000113  
 Last Updated on STN: 20000113  
 Entered Medline: 19991223

L5 ANSWER 16 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 7  
 AN 1999:498769 SCISEARCH  
 GA The Genuine Article (R) Number: 209BK  
 TI Genetic organization of sulphur-controlled aryl desulphonation in  
 Pseudomonas putida S-313  
 AU Vermeij P; Wietek C; Kahnert A; Wuest T; Kertesz M A (Reprint)  
 CS SWISS FED INST TECHNOL, ETH ZENTRUM, INST MIKROBIOL, LFV, CH-8092 ZURICH,  
 SWITZERLAND (Reprint); SWISS FED INST TECHNOL, ETH ZENTRUM, INST  
 MIKROBIOL, LFV, CH-8092 ZURICH, SWITZERLAND  
 CYA SWITZERLAND  
 SO MOLECULAR MICROBIOLOGY, (JUN 1999) Vol. 32, No. 5, pp. 913-926.  
 Publisher: BLACKWELL SCIENCE LTD, P O BOX 88, OSNEY MEAD, OXFORD OX2 ONE,  
 OXON, ENGLAND.  
 ISSN: 0950-382X.  
 DT Article; Journal  
 FS LIFE  
 LA English  
 REC Reference Count: 52  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L5 ANSWER 17 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 2000-05721 BIOTECHDS  
 TI Biotransformation of phenol to catechol by recombinant  
 phenol-hydroxylase;  
 recombinant expression of phenol-2-monooxygenase in Escherichia coli  
 AU Rodriguez M J; Lebrero J L A; \*Alvarez E  
 CS Appl.Genet.Immunol.Madrid  
 LO SmithKline Beecham, Centro de Investigacion Basica, Santiago Grisolia, 4,  
 Parque Tecnologico de Madrid, 28760 Tres Cantos, Madrid, Spain.  
 Email: emilio.alvarez@sb.com  
 SO Biocatalysis Biotransform.; (1999) 17, 1, 45-60  
 CODEN: BOBOEQ ISSN: 1024-2422  
 DT Journal  
 LA English

L5 ANSWER 18 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1999-03024 BIOTECHDS

TI Production of para-hydroxybenzoate;  
stereospecific hydroxybenzoic acid production via vector-mediated  
\*\*\*toluene\*\*\* - \*\*\*monooxygenase\*\*\* \*\*\*gene\*\*\* transfer and  
expression in \*\*\*Pseudomonas\*\*\* sp. for polyester and paraben  
preservative production  
AU Grelak R L; Chen K K  
PA Du-Pont  
LO Wilmington, DE, USA.  
PI WO 9856920 17 Dec 1998  
AI WO 1998-US12072 11 Jun 1998  
PRAI US 1997-49556 13 Jun 1997  
DT Patent  
LA English  
OS WPI: 1999-060332 [05]

L5 ANSWER 19 OF 60 MEDLINE on STN DUPLICATE 8  
AN 1998432776 MEDLINE  
DN PubMed ID: 9758777  
TI Analysis of the \*\*\*gene\*\*\* cluster encoding \*\*\*toluene\*\*\* /o-xylene  
\*\*\*monooxygenase\*\*\* from \*\*\*Pseudomonas\*\*\* stutzeri OX1.  
AU Bertoni G; Martino M; Galli E; Barbieri P  
CS Dipartimento di Genetica e di Biologia dei Microrganismi, Universita degli  
Studi di Milano, 20133 Milan, Italy.  
SO Applied and environmental microbiology, (1998 Oct) 64 (10) 3626-32.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AJ005663  
EM 199811  
ED Entered STN: 19990106  
Last Updated on STN: 20000303  
Entered Medline: 19981124

L5 ANSWER 20 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1998-02434 BIOTECHDS  
TI Rhizoremediation of trichloroethylene by a recombinant, root-colonizing  
Pseudomonas fluorescens strain expressing \*\*\*toluene\*\*\*  
-ortho-monooxygenase constitutively;  
trichloroethylene degradation and soil decontamination  
AU Yee D C; Maynard J A; \*Wood T K  
CS Univ.California  
LO Department of Chemical and Biochemical Engineering, University of  
California, Irvine, CA 92697-2575, USA.  
Email: tkwood@uci.edu  
SO Appl.Environ.Microbiol.; (1998) 64, 1, 112-18  
CODEN: AEMIDF ISSN: 0099-2240  
DT Journal  
LA English

=> d 21-30

L5 ANSWER 21 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:652504 HCAPLUS  
DN 127:328139  
TI Purification and characterization of 2-hydroxybiphenyl 3-monooxygenase, a  
novel NADH-dependent, FAD-containing \*\*\*aromatic\*\*\* hydroxylase from  
Pseudomonas azelaica HBP1  
AU Suske, Winfried A.; Held, Martin; Schmid, Andreas; Fleischmann, Thomas;  
Wubbolts, Marcel G.; Kohler, Hans-Peter E.  
CS Department of Microbiology, Swiss Federal Institute of Environmental  
Sciences and Technology, Dubendorf, CH-8600, Switz.  
SO Journal of Biological Chemistry (1997), 272(39), 24257-24265  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English

L5 ANSWER 22 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1997-10600 BIOTECHDS  
TI changes in the regiospecificity of \*\*\*aromatic\*\*\* hydroxylation  
produced by active site engineering in the diiron enzyme \*\*\*toluene\*\*\*  
-4-monooxygenase;  
Pseudomonas mendocina \*\*\*toluene\*\*\* degradation enzyme engineering

by site-directed mutagenesis

AU Pikus J D; Studts J M; McClay K; Steffan R J; \*Fox B G  
 CS Univ.Wisconsin-Madison-Inst.Enzyme-Res.; Envirogen  
 LO Institute for Enzyme Research, Graduate School and Department of  
 Biochemistry, College of Agricultural and Life Sciences, University of  
 Wisconsin, Madison, WI 53705, USA.  
 Email: fox@enzyme.wisc.edu  
 SO Biochemistry; (1997) 36, 31, 9283-89  
 CODEN: BICHAW ISSN: 0006-2960  
 DT Journal  
 LA English

L5 ANSWER 23 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:26853 HCAPLUS  
 DN 128:207961  
 TI Evidence for the evolution of a single component phenol/cresol hydroxylase  
 from a multicomponent \*\*\*toluene\*\*\* monooxygenase  
 AU Olsen, R. H.; Kukor, J. J.; Byrne, A. M.; Johnson, G. R.  
 CS Department of Microbiology and Immunology, University of Michigan Medical  
 School, Ann Arbor, MI, 48109-0620, USA  
 SO Journal of Industrial Microbiology & Biotechnology (1997), 19(5/6),  
 360-368  
 CODEN: JIMBFL; ISSN: 1367-5435  
 PB Stockton Press  
 DT Journal  
 LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 24 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1998-01969 BIOTECHDS  
 TI Biosensors for TCE based on TCE-induced expression of \*\*\*toluene\*\*\*  
 -4-monooxygenase from *P. mendocina* KR1;  
 trichloroethylene analysis using a recombinant *Pseudomonas mendocina*  
 microbial electrode (conference abstract)  
 AU McClay K; Steffan R J  
 CS Envirogen  
 LO Envirogen, Inc., Lawrenceville, NJ 08648, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1997) 97 Meet., 348  
 CODEN: 0005P ISSN: 0067-2777  
 American Society for Microbiology, 97th General Meeting, Miami Beach, FL,  
 4-8 May, 1997.  
 DT Journal  
 LA English

L5 ANSWER 25 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1996:270738 HCAPLUS  
 DN 124:311959  
 TI Cloning and characterization of \*\*\*genes\*\*\* encoding \*\*\*toluene\*\*\*  
 \*\*\*monooxygenases\*\*\* from \*\*\*Pseudomonas\*\*\* sp. strain JS150  
 (bioremediation, *Burkholderia pickettii*)  
 AU Johnson, Glenn Ronald  
 CS Univ. of Michigan, Ann Arbor, MI, USA  
 SO (1996) 171 pp. Avail.: Univ. Microfilms Int., Order No. DA9610153  
 From: Diss. Abstr. Int., B 1996, 56(12), 6541  
 DT Dissertation  
 LA English

L5 ANSWER 26 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 DUPLICATE 9  
 AN 1996-12647 BIOTECHDS  
 TI Microorganisms transformed with a gene from a *Pseudomonas cepacia* mutant;  
 \*\*\*toluene\*\*\* -monooxygenase gene expression in e.g. *Escherichia*  
*coli* for use in chlorinated hydrocarbon degradation and  
 \*\*\*aromatic\*\*\* hydrocarbon degradation for groundwater  
 decontamination, etc.  
 AU Shields M S; Francesconi S C  
 PA Shields M S; Francesconi S C  
 LO Gulf Breeze, FL, USA.; Pensacola, FL, USA.  
 PI US 5543317 6 Aug 1996  
 AI US 1994-319387 6 Oct 1994  
 PRAI US 1994-319387 6 Oct 1994  
 DT Patent  
 LA English  
 OS WPI: 1996-370640 [37]

L5 ANSWER 27 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 DUPLICATE 10  
 AN 1997-02351 BIOTECHDS  
 TI Gene organization and low regiospecificity in \*\*\*aromatic\*\*\* -ring  
 hydroxylation of a benzene-monooxygenase of Pseudomonas aeruginosa J1104;  
 benzene degradation  
 AU Kitayama A; Suzuki E; Kawakami Y; Nagamune T  
 CS Univ.Tokyo  
 LO Department of Chemistry and Biotechnology, Graduate School of  
 Engineering, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113.  
 SO J.Ferment.Bioeng.; (1996) 82, 5, 421-25  
 CODEN: JFBIEX ISSN: 0922-338X  
 DT Journal  
 LA English

L5 ANSWER 28 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1996:218001 HCAPLUS  
 TI Development of molecular methods for detecting toluenedegrading bacteria  
 at a contaminated site.  
 AU Harris, Kelley S.; Herrick, Jim B.; Brainard, Jim R.  
 CS Department Chemistry, Fort Lewis College, Durango, CO, 81301, USA  
 SO Book of Abstracts, 211th ACS National Meeting, New Orleans, LA, March  
 24-28 (1996), CHED-155 Publisher: American Chemical Society, Washington,  
 D. C.  
 CODEN: 62PIAJ  
 DT Conference; Meeting Abstract  
 LA English

L5 ANSWER 29 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1996-09087 BIOTECHDS  
 TI Development of molecular methods for detecting \*\*\*toluene\*\*\*  
 -degrading bacteria at a contaminated site;  
 bacterium isolation for \*\*\*toluene\*\*\* degradation by polymerase  
 chain reaction using DNA primer (conference abstract)  
 AU Harris K S; Herrick J B; Brainard J R  
 CS Fort-Lewis-Coll.; Los-Alamos-Nat.Lab.  
 LO Department of Chemistry, Fort Lewis College, Durango, CO 81301, USA.  
 SO Abstr.Pap.Am.Chem.Soc.; (1996) 211 Meet., Pt.1, CHED155  
 CODEN: ACSRAL ISSN: 0065-7727  
 211th ACS National Meeting, New Orleans, LA, 24-28 March, 1996.  
 DT Journal  
 LA English

L5 ANSWER 30 OF 60 MEDLINE on STN DUPLICATE 11  
 AN 96035667 MEDLINE  
 DN PubMed ID: 7574644  
 TI Nucleotide sequence analysis of \*\*\*genes\*\*\* encoding a \*\*\*toluene\*\*\*  
 /benzene-2- \*\*\*monooxygenase\*\*\* from \*\*\*Pseudomonas\*\*\* sp. strain  
 JS150.  
 AU Johnson G R; Olsen R H  
 CS Department of Microbiology and Immunology, University of Michigan Medical  
 School, Ann Arbor 48109-0620, USA.  
 NC ES-04911 (NIEHS)  
 MO1RR00042 (NCRR)  
 SO Applied and environmental microbiology, (1995 Sep) 61 (9) 3336-46.  
 Journal code: 7605801. ISSN: 0099-2240.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-L40033  
 EM 199511  
 ED Entered STN: 19951227  
 Last Updated on STN: 19951227  
 Entered Medline: 19951114

=> d 31-40

L5 ANSWER 31 OF 60 MEDLINE on STN DUPLICATE 12  
 AN 96031586 MEDLINE  
 DN PubMed ID: 7574612  
 TI Isolation and characterization of RNA from low-biomass deep-subsurface  
 sediments.  
 AU Ogram A; Sun W; Brockman F J; Fredrickson J K  
 CS Department of Crop and Soil Sciences, Washington State University, Pullman

99164-6420, USA.  
 SO Applied and environmental microbiology, (1995 Feb) 61 (2) 763-8.  
 Journal code: 7605801. ISSN: 0099-2240.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199511  
 ED Entered STN: 19951227  
 Last Updated on STN: 19990129  
 Entered Medline: 19951106

L5 ANSWER 32 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1996-07268 BIOTECHDS  
 TI Nucleotide sequence, organization and regulation of the **\*\*\*\*toluene\*\*\*\***  
 ortho-monooxygenase (Tom) operon of Pseudomonas cepacia G4 and its  
 constitutive variants;  
 and application in e.g. phenol degradation, chloroethene degradation,  
 etc. (conference abstract)  
 AU Francesconi S C; Blake A C; Shields M S  
 CS EPA; Univ.West-Florida  
 LO The National Research Council, US EPA, Gulf Breeze, FL 32561, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1995) 95, Meet., 570  
 CODEN: 0005P ISSN: 0067-2777  
 American Society for Microbiology, 95th General Meeting, Washington, DC,  
 21-25 May, 1995.  
 DT Journal  
 LA English

L5 ANSWER 33 OF 60 MEDLINE on STN DUPLICATE 13  
 AN 95172404 MEDLINE  
 DN PubMed ID: 7867951  
 TI Sequence analysis of the **\*\*\*gene\*\*\*** cluster encoding **\*\*\*\*toluene\*\*\*\***  
 -3- **\*\*\*monooxygenase\*\*\*** from **\*\*\*Pseudomonas\*\*\*** pickettii PKO1.  
 AU Byrne A M; Kukor J J; Olsen R H  
 CS Department of Microbiology and Immunology, University of Michigan Medical  
 School, Ann Arbor 48109-0620, USA.  
 NC ES-04911 (NIEHS)  
 M01RR00042 (NCRR)  
 SO Gene, (1995 Feb 27) 154 (1) 65-70.  
 Journal code: 7706761. ISSN: 0378-1119.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-U04052  
 EM 199503  
 ED Entered STN: 19950407  
 Last Updated on STN: 19960424  
 Entered Medline: 19950328

L5 ANSWER 34 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1994:453667 HCAPLUS  
 DN 121:53667  
 TI A novel **\*\*\*\*toluene\*\*\*\*** -3-monooxygenase pathway cloned from Pseudomonas  
 pickettii PKO1  
 AU Olsen, Ronald H.; Kukor, Jerome J.; Kaphammer, Bryan  
 CS Dep. Microbiol. and Immunology, Univ. Michigan Med. Sch., Ann Arbor, MI,  
 48109-0620, USA  
 SO Journal of Bacteriology (1994), 176(12), 3749-56  
 CODEN: JOBAA; ISSN: 0021-9193  
 DT Journal  
 LA English

L5 ANSWER 35 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1994:402106 HCAPLUS  
 DN 121:2106  
 TI Metabolism of polyhalogenated compounds by a genetically engineered  
 bacterium  
 AU Wackett, Lawrence P.; Sadowsky, Michael J.; Newman, Lisa M.; Hur, Hor-Gil;  
 Li, Shuying  
 CS Dep. Biochem., Univ. Minnesota, St Paul, MN, 55108, USA  
 SO Nature (London, United Kingdom) (1994), 368(6472), 627-9  
 CODEN: NATUAS; ISSN: 0028-0836  
 DT Journal  
 LA English



L5 ANSWER 36 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 DUPLICATE 14  
 AN 1994-10751 BIOTECHDS  
 TI Nucleotide sequence analysis of the positive regulatory \*\*\*gene\*\*\*  
 tbuT for the \*\*\*toluene\*\*\* -3- \*\*\*monooxygenase\*\*\* operon from  
 \*\*\*Pseudomonas\*\*\* pickettii PK01;  
 \*\*\*toluene\*\*\* -monooxygenase characterization and DNA sequence  
 analysis for \*\*\*toluene\*\*\* degradation and benzene degradation  
 (conference abstract)  
 AU Byrne A M; Olsen R H  
 CS Univ.Michigan  
 LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 307  
 CODEN: 0005P  
 DT Journal  
 LA English

L5 ANSWER 37 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1994-10752 BIOTECHDS  
 TI Organization of the duplex \*\*\*toluene\*\*\* -monooxygenase pathway from  
 Pseudomonas sp. JS150;  
 \*\*\*toluene\*\*\* -monooxygenase and benzene-monooxygenase gene cloning  
 using plasmid pRO2016 for benzene degradation (conference abstract)  
 AU Johnson G R; Olsen R H  
 CS Univ.Michigan  
 LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 307  
 CODEN: 0005P  
 DT Journal  
 LA English

L5 ANSWER 38 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1994-10748 BIOTECHDS  
 TI Comparison of trichloroethylene degradation by \*\*\*toluene\*\*\*  
 -oxidizing bacteria;  
 \*\*\*toluene\*\*\* -monooxygenase expression in Pseudomonas cepacia,  
 Pseudomonas pickettii and Pseudomonas mendocina (conference abstract)  
 AU Leahy J G; Olsen R H  
 CS Univ.Michigan  
 LO University of Michigan Medical School, Ann Arbor, MI 48109-0620, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1994) 94 Meet., 306  
 CODEN: 0005P  
 DT Journal  
 LA English

L5 ANSWER 39 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1993-14796 BIOTECHDS  
 TI A two-plasmid system for the isolation and detection of genes that direct  
 the population of catechol from \*\*\*aromatic\*\*\* substrates;  
 plasmid pCD05 and plasmid pUCLV1 construction for Pseudomonas cepacia  
 \*\*\*toluene\*\*\* -ortho-monooxygenase cloning, catechol detection and  
 trichloroethylene degradation (conference abstract)  
 AU Somerville C C; Reagin M; Shields M S  
 CS Tech.Res.  
 LO Technical Resources Inc., 1 Sabine Island Drive, Gulf Breeze, FL  
 32561-3999, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 400  
 CODEN: 0005P  
 DT Journal  
 LA English

L5 ANSWER 40 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1993-13697 BIOTECHDS  
 TI In vitro construction of constitutive \*\*\*toluene\*\*\* -monooxygenase  
 (TMO) mutants of Pseudomonas mendocina KR1;  
 potential trichloroethylene degradation for bioremediation (conference  
 paper)  
 AU Tugusheva M; Steffan R J  
 CS Envirogen  
 LO Envirogen, Inc., Lawrenceville, NJ, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 276  
 CODEN: 0005P  
 DT Journal  
 LA English

=> d 41-50

- L5 ANSWER 41 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1993-13668 BIOTECHDS  
TI Sequence analysis of the BTEX-degradative *tbuABC* operon of *Pseudomonas pickettii* PK01 functional under limited oxygen conditions;  
plasmid pRO1957 *tbuABC* operon DNA sequence analysis, characterization;  
\*\*\*toluene\*\*\* degradation and benzene degradation (conference paper)  
AU Byrne A M; Kukor J J; Olsen R H  
LO University of Michigan Medical School, Ann Arbor, Michigan, USA  
SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1993) 93 Meet., 274  
CODEN: 0005P  
DT Journal  
LA English
- L5 ANSWER 42 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
DUPLICATE 15  
AN 1992-09962 BIOTECHDS  
TI New \*\*\*toluene\*\*\* -monooxygenase gene sequence;  
*Pseudomonas mendocina* *tmoABCDEF* gene cloning and expression for use in  
p-hydroxyphenylacetic acid or indigo preparation, or trichloroethylene  
degradation  
PA Amgen  
PI WO 9206208 16 Apr 1992  
AI WO 1991-US5963 21 Aug 1991  
PRAI US 1990-590374 28 Sep 1990  
DT Patent  
LA English  
OS WPI: 1992-150892 [18]
- L5 ANSWER 43 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
DUPLICATE 16  
AN 1992-09337 BIOTECHDS  
TI Microbial hydroxylation of methyl group in \*\*\*aromatic\*\*\*  
heterocycle(s);  
using *Escherichia coli* or *Pseudomonas putida* cells carrying a plasmid  
containing a \*\*\*Pseudomonas\*\*\* sp. TOL plasmid xylene-  
\*\*\*monooxygenase\*\*\* \*\*\*gene\*\*\*  
PA Lonza  
PI EP 477828 1 Apr 1992  
AI EP 1991-116165 23 Sep 1991  
PRAI CH 1990-3066 24 Sep 1990  
DT Patent  
LA German  
OS WPI: 1992-133493 [17]
- L5 ANSWER 44 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1993:489909 HCAPLUS  
DN 119:89909  
TI Identification of a new gene, *tmoF*, in the *Pseudomonas mendocina* KR1 gene  
cluster encoding \*\*\*toluene\*\*\* -4-monooxygenase  
AU Yen, Kwang Mu; Karl, Michael R.  
CS Amgen Cent., Amgen Inc., Thousand Oaks, CA, 91320-1789, USA  
SO Journal of Bacteriology (1992), 174(22), 7253-61  
CODEN: JOBAA; ISSN: 0021-9193  
DT Journal  
LA English
- L5 ANSWER 45 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1993:403853 HCAPLUS  
DN 119:3853  
TI Novel aerobic 2-aminobenzoate metabolism. Nucleotide sequence of the  
plasmid carrying the gene for the flavoprotein 2-aminobenzoyl-CoA  
monooxygenase/reductase in a denitrifying *Pseudomonas* sp  
AU Altenschmidt, Uwe; Bokranz, Martin; Fuchs, Georg  
CS Abt. Angew. Mikrobiol., Univ. Ulm, Ulm, W-7900, Germany  
SO European Journal of Biochemistry (1992), 207(2), 715-22  
CODEN: EJBCAI; ISSN: 0014-2956  
DT Journal  
LA English
- L5 ANSWER 46 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1992-02979 BIOTECHDS  
TI Nitroaromatics are substrates for the TOL plasmid upper-pathway enzymes;  
characterization of nitroaromatic degradation by *Pseudomonas putida*,

Escherichia coli expressing recombinant \*\*\*toluene\*\*\*  
 -monooxygenase

AU Delgado A; Wubbolts M G; Abril M A; \*Ramos J L  
 LO Departamento de Bioquímica Vegetal, Consejo Superior de Investigaciones  
 Científicas, Estación Experimental del Zaidín, Apto. 419, 18080 Granada,  
 Spain.  
 SO Appl.Environ.Microbiol.; (1992) 58, 1, 415-17  
 CODEN: AEMIDF  
 DT Journal  
 LA English

L5 ANSWER 47 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1993-14806 BIOTECHDS  
 TI Expression of recruited biodegradative genes in subsurface bacteria;  
 \*\*\*Pseudomonas\*\*\* mendocina \*\*\*toluene\*\*\* -4-  
 \*\*\*monooxygenase\*\*\* and \*\*\*Pseudomonas\*\*\* putida \*\*\*toluene\*\*\*  
 -dioxygenase \*\*\*gene\*\*\* expression in river sediment Gram-negative  
 bacterium for \*\*\*toluene\*\*\* degradation (conference abstract)

AU Romine M F; Brockman F J  
 CS Pacific-Northwest  
 LO Pacific Northwest Laboratory, Richland, WA 99352, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1992) 402  
 CODEN: 0005P  
 DT Journal  
 LA English

L5 ANSWER 48 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 DUPLICATE 17  
 AN 1991-13291 BIOTECHDS  
 TI Cloning and characterization of a Pseudomonas mendocina KR1 gene cluster  
 encoding \*\*\*toluene\*\*\* -4-monooxygenase;  
 potential application in \*\*\*toluene\*\*\* degradation and e.g.  
 trichloroethylene degradation; DNA sequence

AU Yen K M; Karl M R; Blatt L M; Simon M J; Winter R B; Fausset P R  
 CS Amgen  
 LO Amgen Inc., Amgen Center, Thousand Oaks, California 91320-1789, USA.  
 SO J.Bacteriol.; (1991) 173, 17, 5315-27  
 CODEN: JOBAAY  
 DT Journal  
 LA English

L5 ANSWER 49 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1991:509282 HCAPLUS  
 DN 115:109282  
 TI Primary structure of xylene monooxygenase: similarities to and  
 differences from the alkane hydroxylation system

AU Suzuki, Masahiko; Hayakawa, Takahiko; Shaw, Jeffrey P.; Rekik, Monique;  
 Harayama, Shigeaki  
 CS Plantech Res. Inst., Yokohama, 227, Japan  
 SO Journal of Bacteriology (1991), 173(5), 1690-5  
 CODEN: JOBAAY; ISSN: 0021-9193  
 DT Journal  
 LA English

L5 ANSWER 50 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1991-12572 BIOTECHDS  
 TI Use of a stress-induced promoter to enhance trichloroethylene  
 biodegradation in nutrient-limited recombinant E. coli;  
 \*\*\*Pseudomonas\*\*\* mendocina \*\*\*toluene\*\*\* -  
 \*\*\*monooxygenase\*\*\* \*\*\*gene\*\*\* expression in Escherichia coli  
 under control of the proEL promoter; metabolic engineering (conference  
 abstract)

AU Little C D; Keyhan M; Fraley C D; McCann M P; Matin A  
 LO Stanford University, Stanford, CA 94305, USA.  
 SO Abstr.Gen.Meet.Am.Soc.Microbiol.; (1991) 91 Meet., 294  
 DT Journal  
 LA English

=> d 51-60

L5 ANSWER 51 OF 60 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1991:401668 BIOSIS  
 DN PREV199141063513; BR41:63513  
 TI SELF TRANSFER OF THE PSEUDOMONAS-MENDOCINA KR \*\*\*TOLUENE\*\*\* PATHWAY  
 AND CLONING OF IT'S P CRESOL REGULON.

AU WRIGHT A [Reprint author]; OLSEN R H  
CS UNIV MICH MED SCH, ANN ARBOR, MICH 48109, USA  
SO Abstracts of the General Meeting of the American Society for Microbiology,  
(1991) Vol. 91, pp. 217.  
Meeting Info.: 91ST GENERAL MEETING OF THE AMERICAN SOCIETY FOR  
MICROBIOLOGY, DALLAS, TEXAS, USA, MAY 5-9, 1991. ABSTR GEN MEET AM SOC  
MICROBIOL.  
ISSN: 1060-2011.  
DT Conference; (Meeting)  
FS BR  
LA ENGLISH  
ED Entered STN: 31 Aug 1991  
Last Updated on STN: 8 Oct 1991

L5 ANSWER 52 OF 60 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
AN 91:455901 SCISEARCH  
GA The Genuine Article (R) Number: GA438  
TI SEQUENCE OF THE \*\*\*GENE\*\*\* (PHEA) ENCODING PHENOL  
\*\*\*MONOOXYGENASE\*\*\* FROM \*\*\*PSEUDOMONAS\*\*\* SP-EST1001 - EXPRESSION  
IN ESCHERICHIA-COLI AND PSEUDOMONAS-PUTIDA  
AU NURK A; KASAK L; KIVISAAR M (Reprint)  
CS ESTONIAN BIOCTR, PLASMID BIOL LAB, 2 JAKOBI ST, TARTU 202400, ESTONIA,  
USSR  
CYA USSR  
SO GENE, (1991) Vol. 102, No. 1, pp. 13-18.  
DT Article; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 23  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L5 ANSWER 53 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1991-03054 BIOTECHDS  
TI The molecular basis of carbon-starvation-induced general resistance in  
Escherichia coli;  
application of starvation gene promoter to recombinant protein  
production, bioremediation, pollutant degradation, large-scale  
fermentation; a review  
AU Matin A  
LO Department of Microbiology and Immunology, Sherman Fairchild Science  
Building, Rooms D315 and D317, Stanford University, Stanford, California  
94305-5402, USA.  
SO Mol.Microbiol.; (1991) 5, 1, 3-10  
CODEN: MOMIEE  
DT Journal  
LA English

L5 ANSWER 54 OF 60 LIFESCI COPYRIGHT 2004 CSA on STN  
AN 91:14828 LIFESCI  
TI Plasmid encoding the \*\*\*Pseudomonas\*\*\* mendocina \*\*\*toluene\*\*\*  
\*\*\*monooxygenase\*\*\* \*\*\*gene\*\*\* .  
AU Yen, Kwang-Mu; Blatt, L.M.  
CS Amgen Inc., Thousand Oaks, CA (USA)  
PI US 5017495 1991  
SO (1991) . US Cl. 435/320.1; Int. Cl. C12N 1/00, 9/02, 1/22; C12P 21/06,  
21/04; C12R 1/38..  
DT Patent  
FS W  
LA English

L5 ANSWER 55 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
DUPLICATE 18  
AN 1990-00416 BIOTECHDS  
TI Plasmid containing \*\*\*Pseudomonas\*\*\* mendocina KR-1 \*\*\*toluene\*\*\*  
- \*\*\*monooxygenase\*\*\* \*\*\*genes\*\*\* ;  
gene cloning and expression in Pseudomonas putida and Escherichia  
coli; p-cresol, p-hydroxyphenylacetic acid and indigo preparation  
PA Amgen  
PI EP 336719 11 oct 1989  
AI EP 1989-303329 4 Apr 1989  
PRAI US 1988-177631 5 Apr 1988  
DT Patent  
LA English  
OS WPI: 1989-294582 [41]

L5 ANSWER 56 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1990:404705 HCAPLUS  
 DN 113:4705  
 TI Microbial degradation of trichloroethylene in wastewater treatment  
 IN Winter, Robert B.; Yen, Kwang Mu; Ensley, Burt D.  
 PA Amgen, Inc., USA  
 SO Eur. Pat. Appl., 23 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 336718	A2	19891011	EP 1989-303328	19890404
	EP 336718	A3	19910424		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5079166	A	19920107	US 1988-235354	19881019
	CA 1316860	A1	19930427	CA 1989-595483	19890403
	WO 8909827	A1	19891019	WO 1989-US1419	19890404
	W: AU, DK, FI, JP, KR, NO				
	AU 8934275	A1	19891103	AU 1989-34275	19890404
	AU 626856	B2	19920813		
	JP 02503866	T2	19901115	JP 1989-504759	19890404
	IL 89847	A1	19941021	IL 1989-89847	19890404
	KR 131772	B1	19980411	KR 1989-702298	19890404
	ZA 8902504	A	19891227	ZA 1989-2504	19890405
	NO 8904846	A	19891204	NO 1989-4846	19891204
	NO 179642	B	19960812		
	NO 179642	C	19961120		
	DK 8906089	A	19900202	DK 1989-6089	19891204
PRAI	US 1988-177640	A	19880405		
	US 1988-235354	A	19881019		
	WO 1989-US1419	A	19890404		

L5 ANSWER 57 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1989-03786 BIOTECHDS  
 TI Cloning and heterologous expression in Streptomyces lividans of Streptomyces rimosus genes involved in oxytetracycline biosynthesis; anhydrotetracycline-oxygenase gene cloning in Escherichia coli  
 AU Binnie C; Warren M; Butler M J  
 CS Pfizer  
 LO International Process Development Group, Pfizer Limited, Sandwich, Kent CT13 9NJ, UK.  
 SO J.Bacteriol.; (1989) 171, 2, 887-95  
 CODEN: JOBAA Y  
 DT Journal  
 LA English

L5 ANSWER 58 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1989-06075 BIOTECHDS  
 TI Efficient degradation of trichloroethylene by a recombinant Escherichia coli;  
 \*\*\*Pseudomonas\*\*\* mendocina \*\*\*toluene\*\*\* -  
 \*\*\*monooxygenase\*\*\* \*\*\*gene\*\*\* cloning  
 AU Winter R B; Yen K M; Ensley B D  
 CS AMGen  
 LO Amgen, 1900 Oak Terrace Lane, Thousand Oaks, CA 91320, USA.  
 SO Bio/Technology; (1989) 7, 3, 282-85  
 CODEN: BTCHDA  
 DT Journal  
 LA English

L5 ANSWER 59 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1991-00879 BIOTECHDS  
 TI Microbial degradation of environmentally persistent organopollutants; military pesticide degradation, solvent degradation, fuel degradation; pollutant degradation and bioremediation (conference paper)  
 AU Bumpus J A  
 LO Biotechnology Center and Biology Department, Utah State University, Logan, UT 84322-4430, USA.  
 SO Biotechnol.Aerospace Appl.; (1989) 59-84  
 DT Journal  
 LA English

L5 ANSWER 60 OF 60 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
 AN 1989-08655 BIOTECHDS  
 TI Degradation of volatile chlorinated aliphatics by recombinant Escherichia

coli;  
waste-disposal (conference abstract)  
AU Winter R B; Yen K M; \*Ensley B D  
CS AMGen  
LO AMGen Inc., Thousand Oaks, California 91320, USA.  
SO Abstr.Pap.Am.Chem.Soc.; (1989) 197 Meet., MBTD18  
CODEN: ACSRAL  
DT Journal  
LA English

=> s yano, ?/au  
L6 50469 YANO, ?/AU

=> s 16 and monooxygenase  
L7 55 L6 AND MONOOXYGENASE

=> dup rem 17  
PROCESSING COMPLETED FOR L7  
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)

=> s 18 not 15  
L9 35 L8 NOT L5

=> s 18 and 15  
L10 0 L8 AND L5

=> s 18 and toluene  
L11 4 L8 AND TOLUENE

=> d 1-14

L11 ANSWER 1 OF 4 LIFESCI COPYRIGHT 2004 CSA on STN  
AN 2003:80330 LIFESCI  
TI DNA fragment carrying \*\*\*toluene\*\*\* \*\*\*monooxygenase\*\*\* gene,  
recombinant plasmid, transformed microorganism, method for degrading  
chlorinated aliphatic hydrocarbon compounds and aromatic compounds, and  
method for environmental remediation  
AU \*\*\*Yano, T.\*\*\* ; Nomoto, T.; Imamura, T.  
CS Canon Kabushiki Kaisha  
SO (20021029) . US Patent: 6472191; US CLASS: 435/189; 435/252.3; 435/262.5;  
435/320.1; 536/23.2.  
DT Patent  
FS W2  
LA English  
SL English

L11 ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2000-10929 BIOTECHDS  
TI New polynucleotide encoding \*\*\*toluene\*\*\* - \*\*\*monooxygenase\*\*\*  
for generating transformants useful for decontaminating environments  
polluted with e.g. aromatic hydrocarbons;  
production of \*\*\*toluene\*\*\* - \*\*\*monooxygenase\*\*\* from Ralstonia  
eutropha TB64 FERM BP-6933 useful for degradation  
AU \*\*\*Yano T\*\*\* ; Nomoto T; Imamura T  
PA Canon  
LO Tokyo, Japan.  
PI EP 1006191 7 Jun 2000  
AI EP 1999-124209 3 Dec 1999  
PRAI JP 1998-344506 3 Dec 1998  
DT Patent  
LA English  
OS WPI: 2000-378265 [33]

L11 ANSWER 3 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2000-09780 BIOTECHDS  
TI Novel DNA fragment encoding a \*\*\*toluene\*\*\* - \*\*\*monooxygenase\*\*\* ,  
useful for degrading a chlorinated aliphatic hydrocarbon compound, or an  
aromatic compound, e.g. in environment remediation;  
production of a recombinant DNA using a \*\*\*toluene\*\*\* -  
\*\*\*monooxygenase\*\*\* gene from Burkholderia cepacia strain KK01  
AU \*\*\*Yano T\*\*\* ; Nomoto T; Imamura T  
PA Canon  
LO Tokyo, Japan.  
PI EP 999274 10 May 2000  
AI EP 1999-121681 2 Nov 1999

PRAI JP 1998-310801 30 oct 1998  
DT Patent  
LA Japanese  
OS WPI: 2000-306010 [27]

L11 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:6580 BIOSIS  
DN PREV200300006580  
TI DNA FRAGMENT CARRYING \*\*\*TOLUENE\*\*\* \*\*\*MONOOXYGENASE\*\*\* GENE,  
RECOMBINANT PLASMID, TRANSFORMED MICROORGANISM, METHOD FOR DEGRADING  
CHLORINATED ALIPHATIC HYDROCARBON COMPOUNDS AND AROMATIC COMPOUNDS, AND  
METHOD FOR ENVIRONMENTAL REMEDIATION.  
AU \*\*\*Yano, Tetsuya\*\*\* [Inventor, Reprint Author]; Nomoto, Tsuyoshi  
[Inventor]; Imamura, Takeshi [Inventor]  
CS Atsugi, Japan  
ASSIGNEE: Canon Kabushiki Kaisha, Tokyo, Japan  
PI US 6472191 October 29, 2002  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Oct 29 2002) Vol. 1263, No. 5. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 18 Dec 2002  
Last Updated on STN: 18 Dec 2002

=> dis his

(FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,  
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004  
L1 1266 S MONOOXYGENASE (5A)(PSEUDOMONAS OR BUKHOLDERIA)  
L2 272 S L1 (5A)(SEQUENCE OR GENE)  
L3 142 DUP REM L2 (130 DUPLICATES REMOVED)  
L4 131 S L2 AND (AROMATIC OR TOLUENE)  
L5 60 DUP REM L4 (71 DUPLICATES REMOVED)  
L6 50469 S YANO, ?/AU  
L7 55 S L6 AND MONOOXYGENASE  
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)  
L9 35 S L8 NOT L5  
L10 0 S L8 AND L5  
L11 4 S L8 AND TOLUENE

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

127.08

127.29

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 17:24:07 ON 04 AUG 2004

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LOGINID:SSSPTA1800EXS

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
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FILE 'SCISEARCH' ENTERED AT 17:27:40 ON 04 AUG 2004  
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FILE 'ESBIODBASE' ENTERED AT 17:27:40 ON 04 AUG 2004  
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FILE 'BIOTECHNO' ENTERED AT 17:27:40 ON 04 AUG 2004  
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FILE 'WPIDS' ENTERED AT 17:27:40 ON 04 AUG 2004  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	127.08	127.29

=> dis his

(FILE 'HOME' ENTERED AT 17:05:24 ON 04 AUG 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 17:05:37 ON 04 AUG 2004

L1 1266 S MONOOXYGENASE (5A) (PSEUDOMONAS OR BUKHOLDERIA)  
L2 272 S L1 (5A) (SEQUENCE OR GENE)  
L3 142 DUP REM L2 (130 DUPLICATES REMOVED)  
L4 131 S L2 AND (AROMATIC OR TOLUENE)  
L5 60 DUP REM L4 (71 DUPLICATES REMOVED)  
L6 50469 S YANO, ?/AU  
L7 55 S L6 AND MONOOXYGENASE  
L8 35 DUP REM L7 (20 DUPLICATES REMOVED)  
L9 35 S L8 NOT L5  
L10 0 S L8 AND L5  
L11 4 S L8 AND TOLUENE

=> d l11

L11 ANSWER 1 OF 4 LIFESCI COPYRIGHT 2004 CSA on STN  
AN 2003:80330 LIFESCI



TI DNA fragment carrying **toluene monooxygenase** gene,  
recombinant plasmid, transformed microorganism, method for degrading  
chlorinated aliphatic hydrocarbon compounds and aromatic compounds, and  
method for environmental remediation  
AU **Yano, T.**; Nomoto, T.; Imamura, T.  
CS Canon Kabushiki Kaisha  
SO (20021029) . US Patent: 6472191; US CLASS: 435/189; 435/252.3; 435/262.5;  
435/320.1; 536/23.2.  
DT Patent  
FS W2  
LA English  
SL English

=> s 17 and (pseudomonas or bukholderia)  
L12 6 L7 AND (PSEUDOMONAS OR BUKHOLDERIA)

=> dup rem l12  
PROCESSING COMPLETED FOR L12  
L13 5 DUP REM L12 (1 DUPLICATE REMOVED)

=> d 1-5

L13 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:863460 HCAPLUS  
DN 139:337026  
TI Manufacture of unusual polyhydroxyalkanoate (PHA) from aromatic  
ring-containing alkanes with **Pseudomonas**  
IN Kenmoku, Takashi; Imamura, Takeshi; Honma, Tsutomu; Sugawa, Etsuko;  
**Yano, Tetsuya**  
PA Canon Inc., Japan  
SO Jpn. Kokai Tokkyo Koho, 27 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003310292	A2	20031105	JP 2002-126158	20020426
	EP 1367078	A2	20031203	EP 2003-7890	20030407
	EP 1367078	A3	20031217		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 2003207412	A1	20031106	US 2003-410349	20030410
PRAI	JP 2002-126158	A	20020426		

L13 ANSWER 2 OF 5 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 2004-069293 [07] WPIDS  
DNC C2004-028792  
TI Producing polyhydroxyalkanoate by using microorganisms, involves culturing  
microorganisms in medium containing substituted alkanes.  
DC A23 D16  
IN HONMA, T; IMAMURA, T; KENMOKU, T; SUGAWA, E; **YANO, T**  
PA (CANO) CANON KK  
CYC 34  
PI US 2003207412 A1 20031106 (200407)\* 25 C12P007-62  
EP 1367078 A2 20031203 (200407) EN C08G063-00  
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV  
MC MK NL PT RO SE SI SK TR  
JP 2003310292 A 20031105 (200407) 27 C12P011-00  
KR 2003084731 A 20031101 (200418) C08G063-06  
ADT US 2003207412 A1 US 2003-410349 20030410; EP 1367078 A2 EP 2003-7890  
20030407; JP 2003310292 A JP 2002-126158 20020426; KR 2003084731 A KR

2003-25988 20030424  
PRAI JP 2002-126158 20020426  
IC ICM C08G063-00; C08G063-06; C12P007-62; C12P011-00  
ICS C08G063-82; C12N001-21

L13 ANSWER 3 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
DUPLICATE 1  
AN 2002-17375 BIOTECHDS  
TI New polyhydroxyalkanoate useful as device material, water repellant  
material, and medical material;  
polyhydroxyalkanoate production using **Pseudomonas** cichorii  
having alkane-1-monooxygenase activity  
AU HONMA T; SUGAWA E; **YANO T**; IMAMURA T; KENMOKU T  
PA CANON KK  
PI EP 1188782 20 Mar 2002  
AI EP 2000-122101 14 Sep 2000  
PRAI JP 2001-275063 11 Sep 2001  
DT Patent  
LA English  
OS WPI: 2002-481356 [52]

L13 ANSWER 4 OF 5 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2003-07046 BIOTECHDS  
TI Polyhydroxyalkanoate for charge control agent, comprises substituted  
phenyl units;  
polymer production and purification from **Pseudomonas**  
cichorii and **Pseudomonas** jessenii  
AU KENMOKU T; KOBAYASHI T; SUGAWA E; **YANO T**; KOBAYASHI S; IMAMURA  
T; HONMA T  
PA CANON KK  
PI EP 1253161 30 Oct 2002  
AI EP 2002-9667 29 Apr 2002  
PRAI JP 2001-133667 27 Apr 2001; JP 2001-133651 27 Apr 2001  
DT Patent  
LA English  
OS WPI: 2003-113889 [11]

L13 ANSWER 5 OF 5 LIFESCI COPYRIGHT 2004 CSA on STN  
AN 84:69305 LIFESCI  
TI Isolation and properties of p-hydroxybenzoate hydroxylase and  
protocatechuate 3,4-dioxygenase from **Pseudomonas** putida RB-4.  
AU Miyagawa, E.; **Yano, J.**; Hamakado, T.; Kido, Y.; Motoki, Y.  
CS Ube Res. Lab., Fujirebio Inc., Ube, Yamaguchi 759-02, Japan  
SO J. AGRIC. CHEM.-SOC. JAPAN., (1984) vol. 58, no. 8, pp. 785-791.  
DT Journal  
FS J; A; L  
LA Japanese  
SL English

=> s 16 and bukholderia

L14 0 L6 AND BUKHOLDERIA